Jack,

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/521, 584
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Date Processed by STIC:	10/25/2005
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TIME: 13:39:55

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4 <110> APPLICANT: REINDL, ANDREAS 6 <120> TITLE OF INVENTION: NADH-DEPEDENT CYTOCHROME b5 REDUCTASE AS TARGET FOR

HERBICIDES 8 <130> FILE REFERENCE: BASF.10029

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/521,584

C--> 11 <141> CURRENT FILING DATE: 2005-01-18

- 13 <150> PRIOR APPLICATION NUMBER: PCT/EP03/07590
- 14 <151> PRIOR FILING DATE: 2003-07-14
- 16 <150> PRIOR APPLICATION NUMBER: DE 102 32 778
- 17 <151> PRIOR FILING DATE: 2002-07-18
- 19 <160> NUMBER OF SEQ ID NOS: 22
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- 25 <212> TYPE: DNA
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- 38 Val Phe Val Ala Phe Val Ala Val Gly Ala Gly Ala Ala Tyr Phe Leu 39 20 25 30
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- 42 Thr Ser Ser Lys Lys Arg Arg Val Cys Leu Asp Pro Glu Asn Phe Lys
- 43 35 40 45 45 gag ttc aag ctt gtt aag aga cat cag ctt agt cac aat gtg gcc aag 192
- 46 Glu Phe Lys Leu Val Lys Arg His Gln Leu Ser His Asn Val Ala Lys
- 47 50 55 60
- 49 ttc gtt ttt gaa ctc cca act tct act tct gtg ttg ggt ctt ccc att 240
- 50 Phe Val Phe Glu Leu Pro Thr Ser Thr Ser Val Leu Gly Leu Pro Ile 51 65 70 75 80
- 51 65 /0 /5 /80 53 gga caa cac atc agt tgc agg gga aag gat ggt caa gga gag gat gtt 288
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- 55 85 90 95 57 att aag cca tac acc ccg act acg tta gac tct gac gtt gga cgt ttc 336 58 Ile Lys Pro Tyr Thr Pro Thr Leu Asp Ser Asp Val Gly Arg Phe
- 59 100 105 110 61 gaa ctt gtc att aag atg tat ccg caa gga cgg atg tct cat cat ttc 384
- 62 Glu Leu Val Ile Lys Met Tyr Pro Gln Gly Arg Met Ser His His Phe
- 63 115 120 125

DATE: 10/25/2005 RAW SEQUENCE LISTING TIME: 13:39:55 PATENT APPLICATION: US/10/521,584

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PATENT APPLICATION: US/10/521,584 TIME: 13:39:55

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	Lys																100
	145	vai	1110	Leu		150	1114	21.011	VUI	1111	155	Olu	1100	110	шец	160	
		~~~		++~	~~+			~~+	~~+						++-		E20
	aag	_	-	_					_				_	_			528
	Lys	GIU	GIn	Leu	_	GIA	ьeu	Ala	Ala		Tyr	Pro	Asp	Arg		ьуѕ	
219					165					170					175		
	att			_	_		_			-	-		-			_	576
2,22	Ile	Tyr	Tyr	Val	Leu	Asn	Gln	Pro	Pro	Glu	Val	Trp	Ser	Gly	Gly	Val	
223				180					185					190			
225	gga	ttt	gtg	tcc	aag	gaa	atg	att	caq	act	cat	tgt	cct	gcc	ccg	gca	624
	Gly				_	_	_		_			_		_	_	_	
227	_		195					200				- 2	205				
	tct	gac		cag	ata	cta	agg		aat	cca	cct	cca		aac	aad	act	672
	Ser							_								-	0,2
		_	116	GIII	110	neu.	215	Cys	Gry	FIO	FIO		Mec	ASII	цуз	ліа	
231		210										220					700
	atg																720
	Met	Ата	Ата	HIS	ьeu		Ala	Leu	GIA	Tyr		Pro	GIU	Met	GIn		
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	Gln																
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	<400																
	Val		~			Glu	Ara	Phe	Lvs	Glu	Phe	Lvs	Len	Val	Lvs	Ara	
249		CID		1.05	5	014		1110	_,	10	1110	_,		• • • •	15	9	
	Thr	Cln	т10	802	-	7 an	₩-1	ת דת	Tara		7~~	Dho	C1.,	T 011		Th.~	
		GIII	TIE		пть	ASII	vaı	Ата	_	FILE	Arg	FILE	GIU		PIO	IIII	
252		m1		20	•	~1			25	<b>a</b> 1	<b>~</b> 1		~7 -	30	<b>G</b>		
	Pro	Thr		vaı	ьeu	GTĀ	Leu		шe	GIY	GIn	HIS		ser	Cys	Arg	
255			35					40					45				
257	Gly	Lys	Asp	Ser	Gln	Gly	Glu	Glu	Val	Val	Lys	Pro	Tyr	Thr	Pro	Thr	
258		50					55					60					
260	Thr	Leu	Asp	Ser	Asp	Val	Gly	Tyr	Phe	Glu	Leu	Val	Ile	Lys	Met	Tyr	
261	65					70					75					80	-
263	Pro	Gln	Gly	Arg	Met	Ser	His	His	Phe	Arg	Glu	Met	Arg	Glu	Gly	Asp	
264			-		85					90			_		95	-	
	Tyr	Leu	Ala	Val		Glv	Pro	Lvs	Glv		Phe	Lvs	Tvr	Gln		Glv	
267	_			100	_1 ~	1		-1-	105			-1-	-2-	110		2	
	Gln	۲al	Δτα		Pho	Glv	Met	T.eu		Glv	Glv	Ser	Glv		Thr	Pro	
270		VUI	115	лта	I IIG	O L Y	PAG C	120	Ara	O ₁ y	OTY	JULI	125	- T-C	T 111	210	
2/0			113					120					123				

## RAW SEQUENCE LISTING DATE: 10/25/2005 PATENT APPLICATION: US/10/521,584 TIME: 13:39:55

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Output Set: N:\CRF4\10252005\J521584.raw

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VERIFICATION SUMMARY

DATE: 10/25/2005

PATENT APPLICATION: US/10/521,584

TIME: 13:39:56

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date